United Nations

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Framework Convention on Climate Change

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Status report of the annual inventory of the United States of America

1. This status report was prepared by the secretariat pursuant to decision 13/CP.20, as part of the initial assessment of the 2017 annual inventory of the United States of America, submitted in accordance with decision 24/CP.19. It reflects the content of the 2017 inventory submission as submitted by the Party (dates of submission are provided in the table on page 2).

2. In this report, the following abbreviations are used:

CRF: common reporting format
GHG: greenhouse gas
LULUCF: land use, land-use change and forestry
IPPU: industrial processes and product use
NIR: national inventory report
SBDT: sectoral background data tables

Notation keys
C: confidential
IE: included elsewhere
NA: not applicable
NE: not estimated
NO: not occurring

Gases
CO_2: carbon dioxide
CH_4: methane
N_2O: nitrous oxide
HFCs: hydrofluorocarbons
PFCs: perfluorocarbons
MIX: Unspecified mix of HFCs and PFCs
SF_6: sulphur hexafluoride
NF_3: nitrogen trifluoride
NO_x: nitrogen oxides
CO: carbon monoxide
NMVOCs: non-methane volatile organic compounds
SO_2: sulphur dioxide

GE.17-09183(E)

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GREENHOUSE GAS INVENTORY SUBMISSION													
General information		*Date of receipt*			*Date of resubmission*			*Comments*					
	NIR	14 April 2017											
	CRF tables[a]	14 April 2017											
	Additional information[b]												
	CRF tables provided for years	1990–2015											
	Base year or period[c]	1990											
	Gases covered	CO_2	CH_4	N_2O	HFCs	PFCs	MIX	SF_6	NF_3	NO_X	CO	NMVOCs	SO_2
		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
NIR	Description	The organization of the NIR generally follows the structure outlined in the UNFCCC Annex I inventory reporting guidelines.[d] However, the suggested chapter titled "Indirect CO2 and nitrous oxide emissions" has not been provided.											
	Language of NIR	English											

[a] The CRF tables are contained in annex II to decision 24/CP.19.

[b] Additional information can be any information submitted by a Party in conjunction with the NIR or CRF tables.

[c] Parties included in Annex I to the Convention undergoing the process of transition to a market economy may use a base year or a period of years other than 1990, in accordance with the provisions of Article 4, paragraph 6, of the Convention and decision 24/CP.19.

[d] "UNFCCC reporting guidelines on annual inventories for Parties included in Annex I to the Convention" (decision 24/CP.19).

PART I

Provision of information for the latest reported inventory year in the common reporting format: 2015

Tables		*Energy*		*IPPU*		*Agriculture*		*LULUCF*		*Waste*	
	Sectoral report tables	1	✓	2(I)	✓	3	✓	4	✓	5	✓
				2(II)	✓			4.1	✓		
	Sectoral background data tables	1.A(a)	✓	2(I).A–H	✓	3.A	✓	4.A	✓	5.A	✓
		1.A(b)	✓	2(II).B–H	✓	3.B(a)	✓	4.B	✓	5.B	✓
		1.A(c)	✓			3.B(b)	✓	4.C	✓	5.C	✓
		1.A(d)	✓			3.C	✓	4.D	✓	5.D	✓
		1.B.1	✓			3.D	✓	4.E	✓		
		1.B.2	✓			3.E	✓	4.F	✓		
		1.C	✓			3.F	✓	4(I)	✓		
		1.D	✓			3.G–I	✓	4(II)	✓		
								4(III)	✓		
								4(IV)	✓		
								4(V)	✓		
								4.G	✓		
	Summary tables	Summary table 1.A	✓	Summary table 2	✓	Summary table 3	✓				
	Other tables	Table 6 (Indirect emissions of N_2O and CO_2)	✓	Table 7 (Key categories)	✓	Table 8 (Recalculation)					
		Table 9 (Completeness)	✓	Table 10 (Emission trends)	✓						
	Comments	Key categories are reported in the NIR with differences compared to CRF Table 7 that may lead to inconsistency, e.g. in the category descriptions used									

Totals	*Provided for gases*	CO_2 ✓	CH_4 ✓	N_2O ✓	HFCs ✓	PFCs ✓	MIX ✓	SF_6 ✓	NF_3 ✓
	Provided for years	1990–2015	1990–2015	1990–2015	1990–2015	1990–2015	1990–2015	1990–2015	1990–2015

CO_2	*Comparison of CO_2 emissions from fuel combustion*	*Reference approach*	*Sectoral approach*	*Difference of more than 2%*	*If difference is more than 2 % explanatory information provided in CRF table 1.A(c)*
		✓	✓		

HFCs and PFCs		HFCs	PFCs	
	Disaggregation by species	✓	✓	

Notation keys	*Used in*	Summary table 1.A	✓	Sectoral report tables	✓	Sectoral background data tables	✓
	Comments						

PART II Provision of common reporting format tables for years reported																	
				Years													
				Base year[a]	*1990*	*1995*	*2000*	*2005*	*2006*	*2007*	*2008*	*2009*	*2010*	*2011*	*2012*	*2013*	*2014*	*2015*	*Comments*
Energy	Sectoral report: Table 1			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	SBDT	Table 1.A(a)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 1.A(b)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 1.A(c)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 1.A(d)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 1.B.1		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 1.B.2		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 1.C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–2015. For these years the notation keys IE and NA are used.
		Table 1.D		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
IPPU	Sectoral reports:	Table 2(I)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 2(II)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	SBDT	Table 2(I).A–H		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 2(II).B–H		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

PART II Provision of common reporting format tables for years reported (continued)																	
			Years														
			Base year[a]	*1990*	*1995*	*2000*	*2005*	*2006*	*2007*	*2008*	*2009*	*2010*	*2011*	*2012*	*2013*	*2014*	*2015*	*Comments*
Agriculture	Sectoral report: Table 3		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	SbDT	Table 3.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 3.B(a)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 3.B(b)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 3.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 3.D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 3.E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–2015. For these years the notation key IE is used.
		Table 3.F	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 3.G–I	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

PART II

Provision of common reporting format tables for years reported (continued)

			Years															
			Base year[a]	*1990*	*1995*	*2000*	*2005*	*2006*	*2007*	*2008*	*2009*	*2010*	*2011*	*2012*	*2013*	*2014*	*2015*	*Comments*
LULUCF	Sectoral report: Table 4		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	SBDT	Table 4.I	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4.B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4.D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4.E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4.F	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–2015. For these years the notation keys NA and NE are used.
		Table 4(I)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4(II)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4(III)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–2015. For these years the notation keys NA and NE are used.
		Table 4(IV)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4(V)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4.G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

PART II

Provision of common reporting format tables for years reported (continued)

			Years														*Comments*
			Base year[a]	*1990*	*1995*	*2000*	*2005*	*2006*	*2007*	*2008*	*2009*	*2010*	*2011*	*2012*	*2013*	*2014*	*2015*	
Waste	Sectoral report: Table 5		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	SBDT	Table 5.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 5.B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 5.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–2015. For these years the notation keys IE and NA are used.
		Table 5.D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

PART II

Provision of common reporting format tables for years reported (continued)

		Years															
		Base year[a]	*1990*	*1995*	*2000*	*2005*	*2006*	*2007*	*2008*	*2009*	*2010*	*2011*	*2012*	*2013*	*2014*	*2015*	*Comments*
Summary and other tables	Summary table 1.A (Report for national GHG inventories)	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	
	Summary table 2 (CO_2 equivalent emissions)	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	
	Summary table 3 (Methods and emission factors used)	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	
	Table 6 (Indirect emissions of N_2O and CO_2)	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	
	Table 7 (Overview for key categories)	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	
	Table 8 (Recalculated data)	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔		
	Table 9 (Completeness)	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	
	Table 10 (Emission trends)	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	

[a] Parties included in Annex I to the Convention undergoing the process of transition to a market economy may use a base year or a period of years other than 1990 in accordance with the provisions of Article 4, paragraph 6, of the Convention and decision 24/CP.19.

PART III Provision of information relating to recalculations						
Table 8 (Recalculated data)	✓	Comments	Explanatory information relating to recalculations is provided in chapter 9 of the NIR			
Recalculation reported for years	1990–2014					
Recalculated sectors/gases	Energy		IPPU	Agriculture	LULUCF	Waste
CO_2	✓		✓	✓	✓	
CH_4	✓			✓	✓	✓
N_2O	✓		✓	✓	✓	✓
HFCs			✓			
PFCs			✓			
Unspecified mix of HFCs and PFCs			✓			
SF_6			✓			
NF_3			✓			
Percentage difference in aggregate GHG emissions	Base-year estimate:[a]		Including LULUCF:	-2.04%	Excluding LULUCF:	-0.53%
	Latest recalculated year:[b]		Including LULUCF:	-2.12%	Excluding LULUCF:	-1.9%

[a] Parties included in Annex I to the Convention undergoing the process of transition to a market economy may use a base year or a period of years other than 1990, in accordance with the provisions of Article 4, paragraph 6, of the Convention and decision 24/CP.19.

[b] The latest recalculated year is the submission year minus three years.